

Santa Ana River Water Right Applications for Supplemental Water Supply



Presentation to California State Water Resources Control Board

May 2-4, 2007

MUNI/WESTERN EXHIBIT 4-14 SLIDE 1

The Project

Constructs new facilities, modifies existing facilities, and implements water management actions associated with the Muni/Western water right applications to appropriate a maximum of 200,000 acre-feet per year from the Santa Ana River.

- Uses existing diversion and conveyance facilities
- Operates within flood control parameters of USACE Operations Manual
- Diverts up to 1,500 cfs below Seven Oaks Dam
- Allows seasonal storage behind Seven Oaks Dam
- Acknowledges prior right holders
- Allocates water for USACE ESA Section 7 compliance

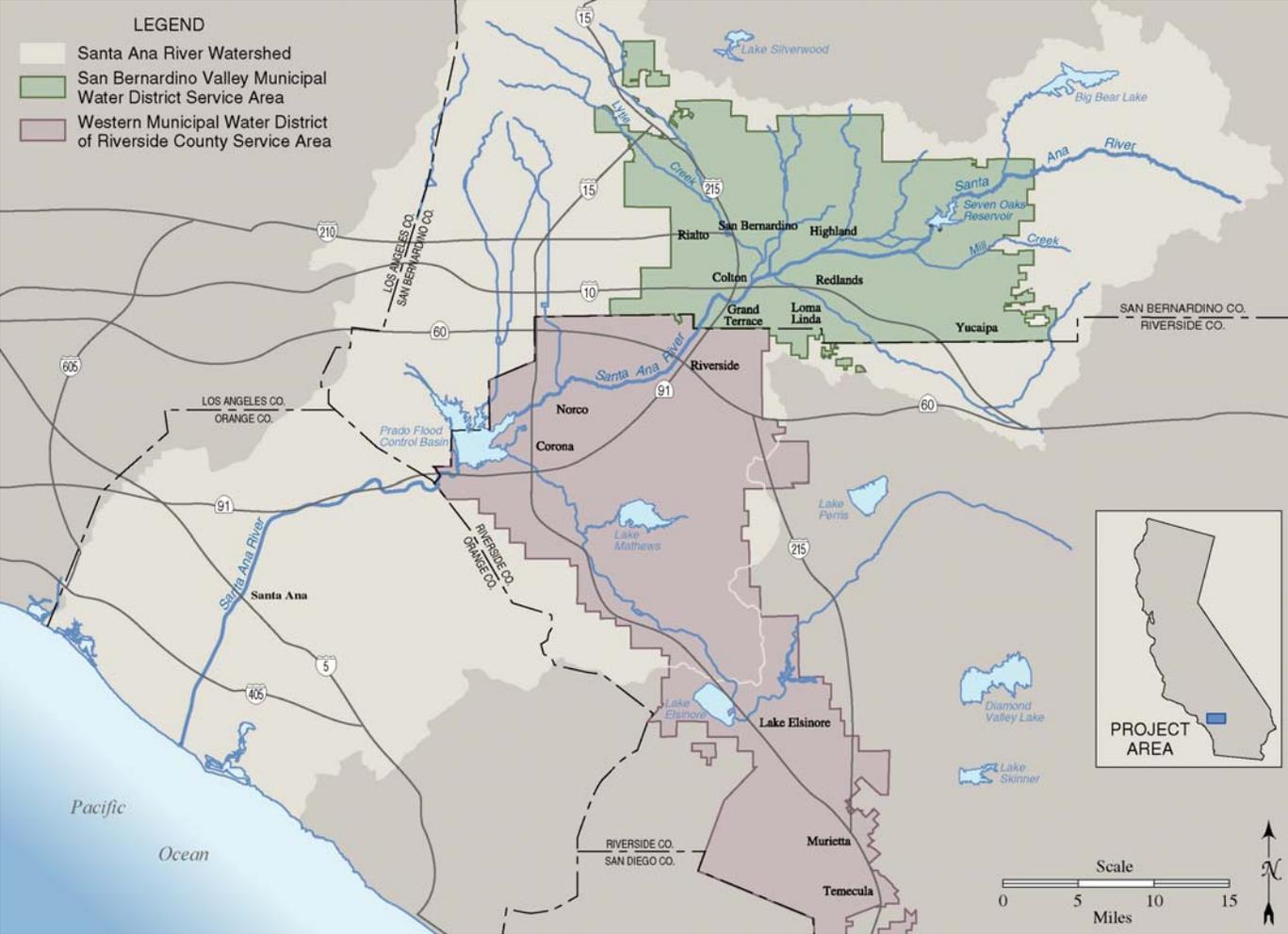
Allows the capture of 10,000 - 27,000 afy (average) from the Santa Ana River.

Project Goals and Objectives

The goals of the Project are to beneficially use the newly appropriated water to:

- Increase regional water supply reliability and reduce reliance on imported water;
- Provide an additional source of local high quality water;
- Improve operational flexibility in water management.

Project Region



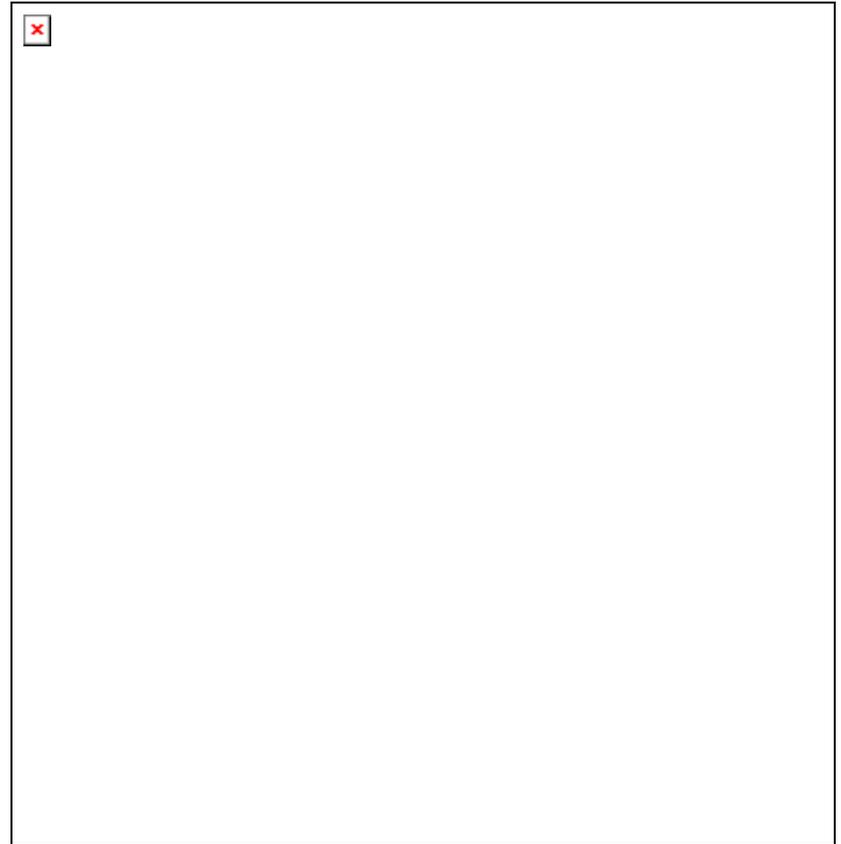
Project Areas

Construction Areas

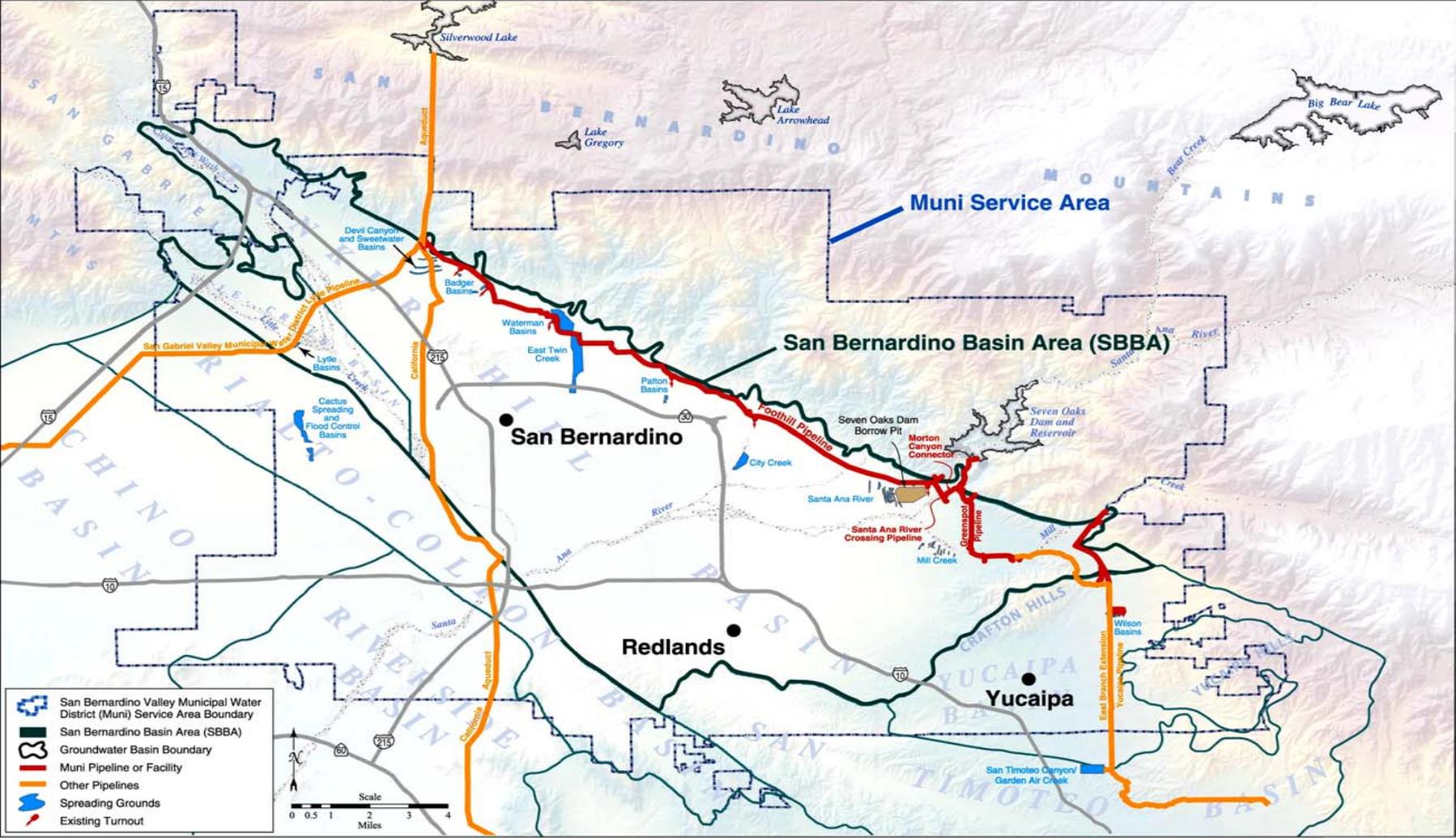
- Seven Oaks Dam and Reservoir
- Santa Ana River
- Devil Canyon
- Lytle Creek

Operations Areas

- San Bernardino Basin
Area groundwater basin
- Santa Ana River corridor
- Muni/Western service
areas



Overview of Project Facilities



Project Construction

Existing, modified, and new facilities will be used to implement the Project at the following locations:

- Seven Oaks Dam and Reservoir Construction Area
 - Modify existing intake structure and access road
- Santa Ana River Construction Area
 - Plunge Pool Pipeline
 - Low Flow Connector Pipeline
 - Morton Canyon Connector II Pipeline
- Devil Canyon Construction Area
 - Devil Canyon By-Pass Pipeline
- Lytle Creek Construction Area
 - Lower Lytle Creek Pipeline
 - Cactus Basins Pipeline

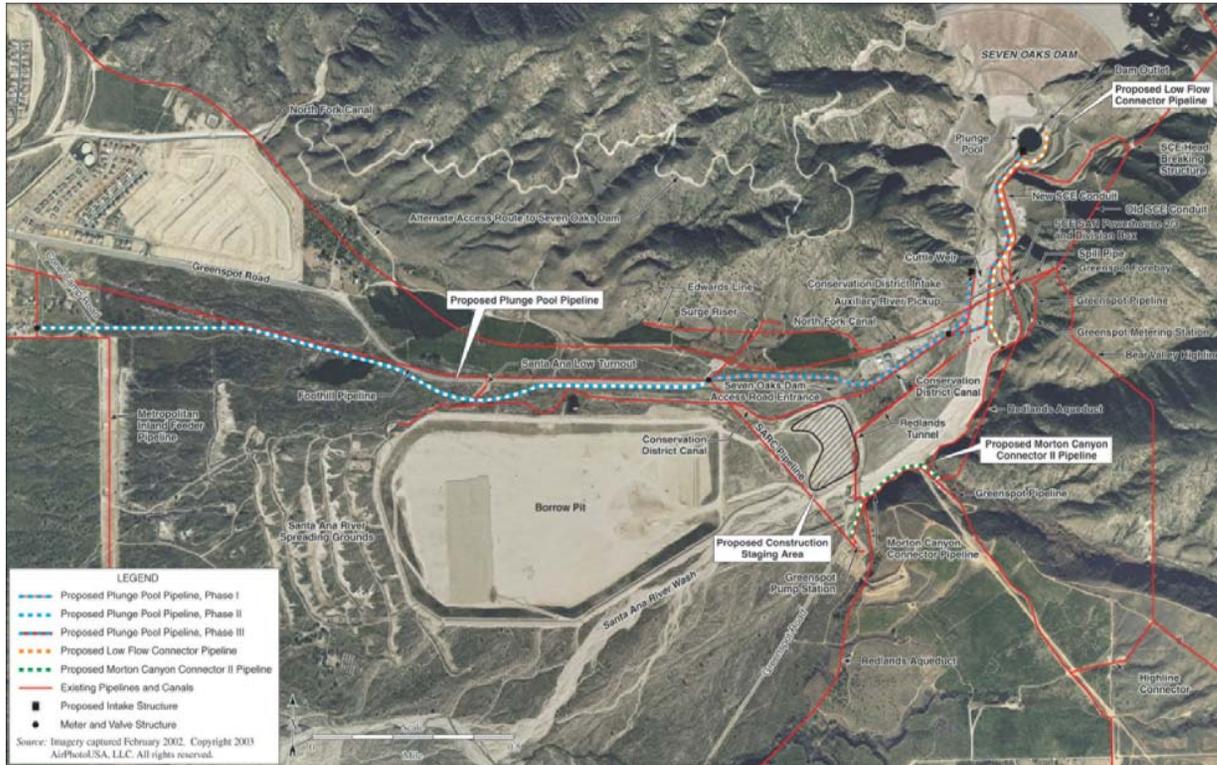
Seven Oaks Dam and Reservoir Construction Area



Located on upstream dam face and within existing disturbed area

- Modify existing intake structure at Seven Oaks Dam.
- Relocate access road to the existing intake structure.

Santa Ana River Construction Area



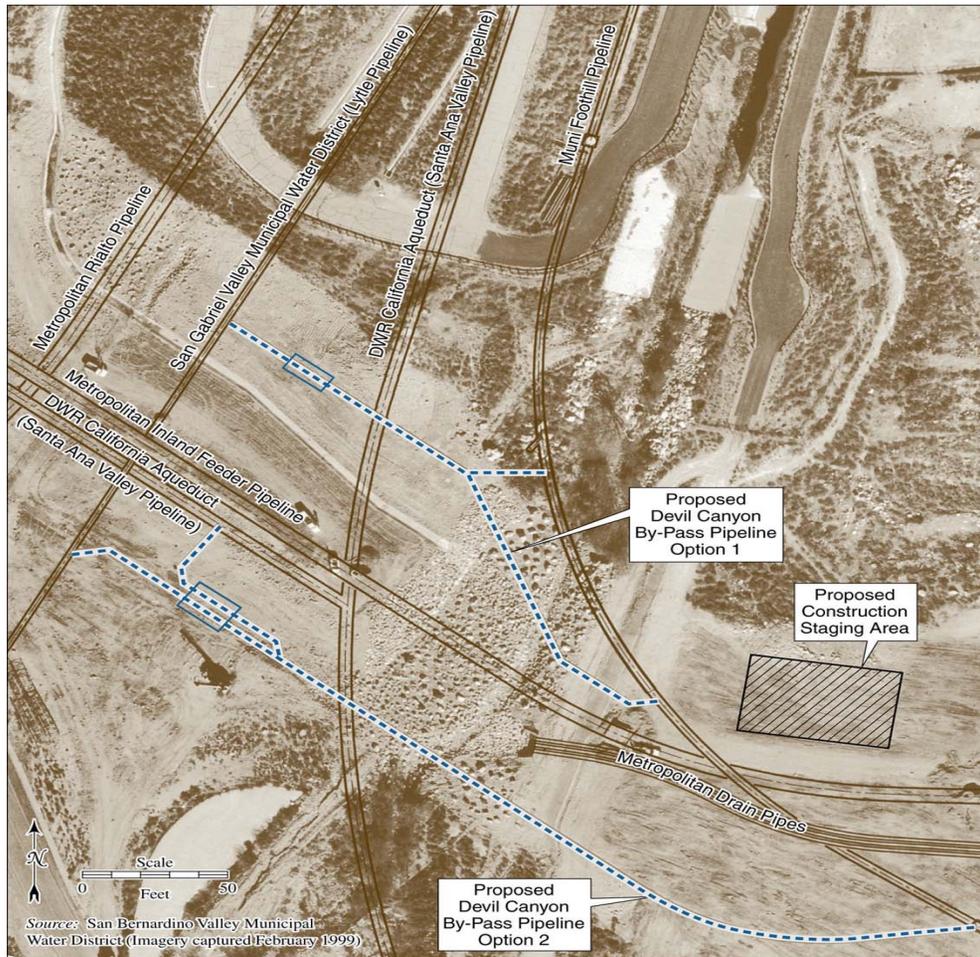
Located just southwest of Seven Oaks Dam.

Most of the water diverted from the Santa Ana River would be diverted at either the existing plunge pool or Cuttle Weir.

Pipelines:

- Plunge Pool
- Low Flow Connector
- Morton Canyon Connector II.

Devil Canyon Construction Area



Located just south of the State Water Project Devil Canyon Power Plant in the City of San Bernardino.

To improve delivery of newly conserved water to the western section of the Muni service area, the Devil Canyon By-Pass Pipeline will be constructed.

Lytle Creek Construction Area

Located in the City of Rialto, near Lytle Creek.

The new Lower Lytle Creek Pipeline and new Cactus Basins Pipeline would convey water from the San Gabriel Valley Municipal Water District Lytle Pipeline to water treatment plants and groundwater spreading facilities.



Cumulative Projects

